

ABSTRACT OF THE DISCLOSURE

Replaying a compressed digital video stream in fast-forward and reverse modes at varied playback rates. An index of intercoded frames, those frames not dependant on other frames for generation, is stored. The index includes the size of intercoded frames and their storage location. When a specified playback rate is requested, the intercoded frames are retrieved using the index. The intercoded frames then have one or more intracoded frames, frames that reference other frames for generation, placed between them to generate a frame sequence. The intracoded frames are "blank," meaning they contain only information from their associated intercoded frame. By inserting "blank" frames specified playback rates and bit rates are generated. The index of intercoded frames may also be accessed to generate playback in reverse mode, which conserves memory resources of associated systems by generating the reverse playback stream in an iterative manner.

G:\DATA\PAT\WORDPAT\14531.90.doc

WORKMAN, NYDEGGER & SEELEY
A PROFESSIONAL CORPORATION
ATTORNEYS AT LAW
1000 EAGLE GATE TOWER
60 EAST SOUTH TEMPLE
SALT LAKE CITY, UTAH 84111